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Page 1

PATENT

Docket No. JCLA6567

Date: August 1, 2001

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

ATTENTION: APPLICATION BRANCH

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): KAI-SHU YANG  
CHIN-CHEN CHANG  
DING-ZHOU DUAN  
MING-FEN LIN

Jc973 U.S. PTO  
09/20035  
08/01/01

For: A METHOD OF CONSTRUCTING PROGRESSIVE MESH

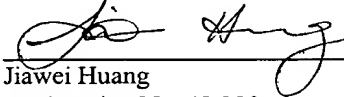
Enclosed are:

- (X) THREE SET copies of Specification in (21) pages.
- (X) (5) sheets of drawings in THREE SET.
- (X) Recordation Form Cover sheet with (2) page assignment.
- (X) **SIGNED** Declaration and Power of Attorney.
- (X) A certified copy of Taiwan Patent Application No. 90105912 dated 3/14/01.
- (X) Petition to The Commissioner Under 37 CFR 1.84.
- (X) Return prepaid postcard.

## CLAIMS AS FILED

FOR	NUMBER FILED	NUMBER EXTRA	RATE	FEE
Basic Fee			\$ 710	\$ 710
Total Claims	23 - 20 = 3	x	\$ 18	\$ 54
Independent Claims	1 - 3 = 0	x	\$ 40	\$ 0
If application contains any multiple dependent claims(s), then add			\$ 270	\$ 0
<b>For a Small Entity: TOTAL FILING FEE</b>				<b>\$ 764</b>

- (X) A check in the amount of \$ 764 to cover the filing fee is enclosed.
- (X) A check in the amount of \$ 40 to cover the assignment recording fee.
- (X) A check in the amount of \$ 130 to cover the fee set forth in 37 CFR 1,17(I).
- (X) The commissioner is authorized to charge any additional necessary fee to Account No. 50-0710 (Order No. JCLA6567). A duplicate copy of this sheet is enclosed.

  
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Jc525 U.S. PTO  
08/01/01

09/20035  
08/01/01

*m. Chang*  
Michelle Chang

In re application of: )  
Filed: **HEREWITH** )  
For: A METHOD OF CONSTRUCTING )  
PROGRESSIVE MESH )  
Examiner: (not assigned) )  
Art Unit: (not assigned) )

**PETITION TO THE COMMISSIONER UNDER 37 C.F.R. §1.84**

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

Sir:

This is a petition for filing color drawings/photographs in connection with the above-identified utility patent application under 37 C.F.R. §1.84.

The reason why it is necessary to use color photographs in this application is as follows:

The above-identified application is directed to a method of constructing progressive meshing operation using a forest-clustering algorithm.

Figs. 5 is a diagram showing a mesh of a Beethoven head sculpture represented by 5030 triangles into a simplified mesh by eliminating 2012 triangles in a single forest-clustering progressive meshing operation. Fig. 6 shows a vertex cluster  $c(u)$ ,  $c(v_0)$  and expansion  $e = (u, v, v_0)$ . Fig. 7 shows a forest clustering operation of the cluster shown in Fig. 6. Applicants believe that color drawings/photographs are the only practical medium to disclose the subject matter (especially constructing the progressive meshing using a forest-clustering algorithm utilizing quality control methods and error estimation schemes to reproduce a highly similar simplified mesh or a progressive mesh of the original mesh) sought to be patented in the above-identified application.

Enclosed herewith are:

a check in the amount of \$130 to cover the fee set forth in 37 C.F.R. §1.17(I);  
three (3) sets of the color drawings/photographs; and  
a Preliminary Amendment is also enclosed herewith, inserting the language specified in 37 C.F.R. §1.84 (a) (iii).

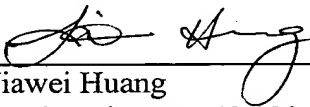
Approval of using the above-identified color drawings/photographs in the above-identified application is respectfully requested.

08/06/2001 SSITHIB1 00000024 09920035

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130.00 0P

Respectfully submitted,  
J.C. Patents

  
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